AUTODOC CLUB

# How to change rear strut mount on **AUDI A3 Hatchback (8P1)** – replacement guide

## SIMILAR VIDEO TUTORIAL




This video shows the replacement procedure of a similar car part on another vehicle

### Important!

This replacement procedure can be used for:
AUDI A3 Hatchback (8P1) 1.6 E-Power, AUDI A3 Hatchback (8P1) 1.6, AUDI A3 Hatchback (8P1) 2.0 TDI 16V, AUDI A3 Hatchback (8P1) 1.9 TDI, AUDI A3 Hatchback (8P1) 2.0 TDI, AUDI A3 Hatchback (8P1) 3.2 V6 quattro, AUDI A3 Hatchback (8P1) 2.0 TDI quattro, AUDI A3 Hatchback (8P1) 2.0 TFSI, AUDI A3 Hatchback (8P1) 2.0 TFSI quattro, AUDI A3 Hatchback (8P1) 2.0 TDI 16V quattro, AUDI A3 Hatchback (8P1) S3 quattro, AUDI A3 Hatchback (8P1) 1.8 TFSI, AUDI A3 Hatchback (8P1) 1.4 TFSI, AUDI A3 Hatchback (8P1) 1.8 TFSI quattro

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW GOLF VI (5K1) 2.0 GTi

# REPLACEMENT: STRUT MOUNT – AUDI A3 HATCHBACK (8P1). LIST OF THE TOOLS YOU'LL NEED:




- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 14
- Drive socket # 15
- Drive socket # 18
- Drive socket # 21
- Combination spanner #14
- Combination spanner #18
- Combination spanner #21
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Vice
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: strut mount – AUDI A3 Hatchback (8P1). AUTODOC recommends:

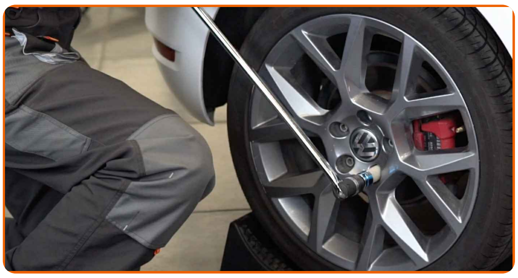
- The replacement procedure is identical for the mounts of the right and left shock absorbers of the rear suspension.
- Both mounts of the rear shock struts should be replaced simultaneously.
- All work should be done with the engine stopped.

## REPLACEMENT: STRUT MOUNT – AUDI A3 HATCHBACK (8P1). TAKE THE FOLLOWING STEPS:

**1** Secure the wheels with chocks.



**2** Loosen the wheel mounting bolts. Use wheel impact socket #17.



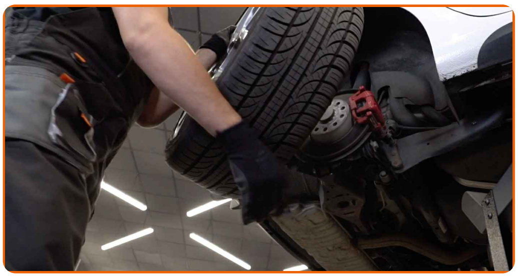
**3** Raise the rear of the car and secure on supports.

**4** Unscrew the wheel bolts.

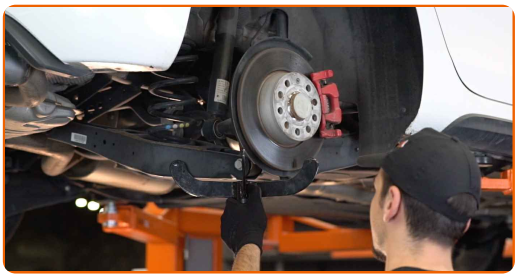
## AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. AUDI A3 Hatchback (8P1)

**5** Remove the wheel.



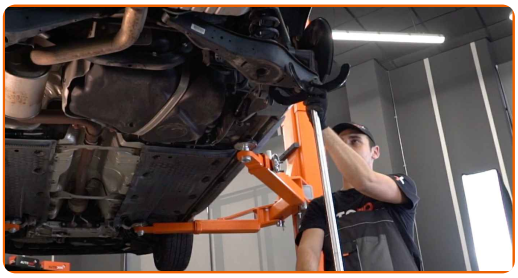
**6** Support the arm. Use a hydraulic transmission jack.



**7** Unscrew the fastener connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



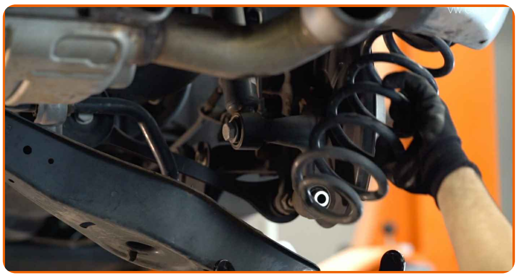
**8** Lower the hydraulic transmission jack by 10-15 cm.



Replacement: strut mount – AUDI A3 Hatchback (8P1). Tip from AUTODOC experts:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

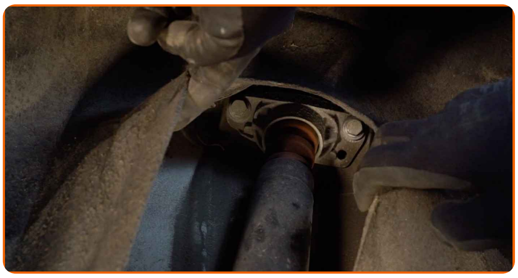
9 Remove the spring.



10 Unscrew the lower fastener of the shock absorber. Use a drive socket #21. Use a tap wrench.



11 Unscrew the upper fastener of the shock absorber. Use a drive socket #15. Use a ratchet wrench.



## Replacement: strut mount – AUDI A3 Hatchback (8P1). Tip:

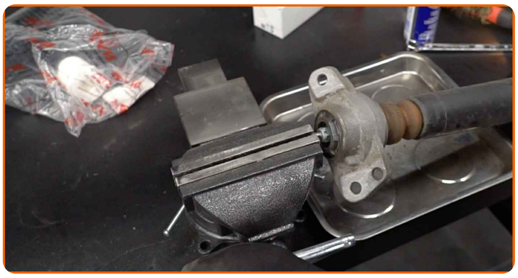
- To avoid injuries, hold the shock absorber when undoing the fastening bolts.

**12** Remove the shock absorber.

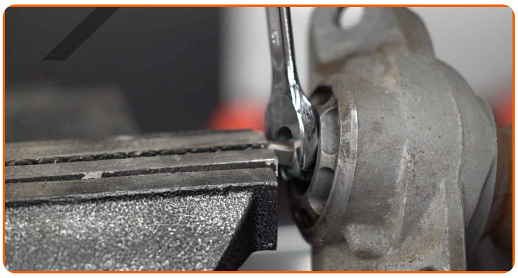
**13** Grip the shock absorber in a vice.



**14** Clean the shock absorber rod fastener. Use a wire brush. Use WD-40 spray.



**15** Remove the shock absorber piston rod fastening. Use a combination spanner #14.



**16** Remove the shock absorber mount, boot and bump stop.



**17** Install the new mount, boot, and bump stop on the shock absorber.



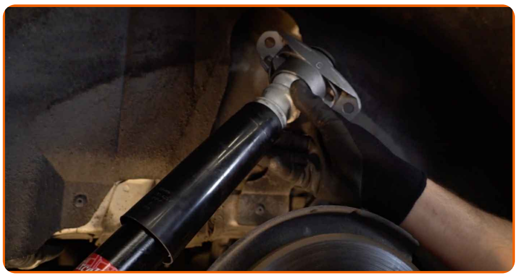
**18** Fix the shock absorber mount. Use a combination spanner #14. Use a drive socket #14. Use a torque wrench. Tighten it to 25 Nm torque.



**19** Release the vice and take out the shock absorber.



**20** Place the shock absorber in the wheel arch and secure it.



## AUTODOC recommends:

- AUDI A3 Hatchback (8P1) – To avoid injury, hold the shock absorber while screwing in the fastening bolts.

**21**

Tighten the shock absorber mount fasteners. Use a drive socket #15. Use a torque wrench. Tighten it to 50 Nm torque.+45°



**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

**22**

Clean the shock absorber fasteners. Use WD-40 spray.




**23**

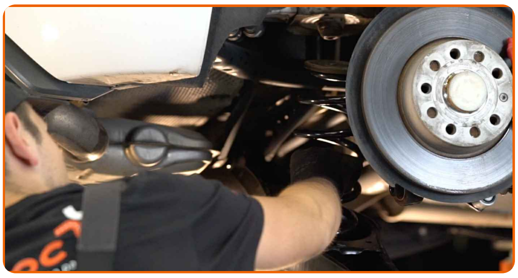
Tighten the lower fastener of the shock absorber. Use a drive socket #21. Use a torque wrench. Tighten it to 180 Nm torque.



**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

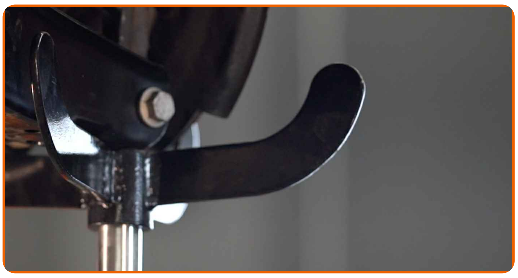
24 Install the spring.



25 Support the arm. Use a hydraulic transmission jack.



26 Tighten the fasteners connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.+90°



**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

27 Remove the support from under the rear arm.



**AUTODOC recommends:**

- Replacement: strut mount – AUDI A3 Hatchback (8P1). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

**28** Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.



**29** Install the wheel.



**Replacement: strut mount – AUDI A3 Hatchback (8P1). Tip from AUTODOC:**

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

**30** Screw in the wheel bolts. Use wheel impact socket #17.



**31** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



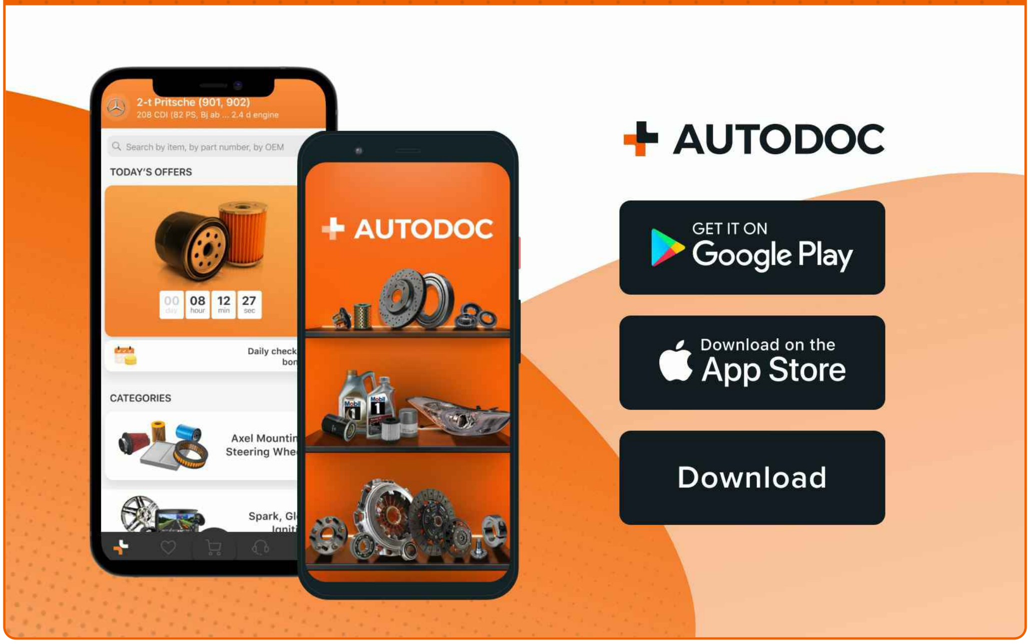
**32** Remove the jacks and chocks.

## WELL DONE!

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STRUT MOUNT: A WIDE SELECTION

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